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November 18, 2004

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APPLICATION NUMBER: 60/515,170
FILING DATE: *October 28, 2003*
RELATED PCT APPLICATION NUMBER: PCT/US04/35481

Certified by



Jon W Dudas

Acting Under Secretary of Commerce
for Intellectual Property
and Acting Director of the U.S.
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16638 U.S. PTO

PTO/SB/16 (08-03)

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PROVISIONAL APPLICATION FOR PATENT COVER SHEET

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53(c).

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22264 U.S. PTO
601515170

102803

INVENTOR(S)					
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Additional inventors are being named on the <u>1</u> separately numbered sheets attached hereto					
TITLE OF THE INVENTION (500 characters max)					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number: <u>34082</u>					
OR					
<input type="checkbox"/> Firm or Individual Name					
Address					
Address					
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Country		Telephone		Fax	
ENCLOSED APPLICATION PARTS (check all that apply)					
<input checked="" type="checkbox"/> Specification Number of Pages <u>4</u>					
<input type="checkbox"/> Drawing(s) Number of Sheets					
<input checked="" type="checkbox"/> Application Date Sheet. See 37 CFR 1.76					
<input type="checkbox"/> CD(s), Number					
<input type="checkbox"/> Other (specify)					
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT					
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.					
<input checked="" type="checkbox"/> A check or money order is enclosed to cover the filing fees.					
<input type="checkbox"/> The Director is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: <u>50-2098</u>					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
FILING FEE Amount (\$) <u>\$80.00</u>					
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
<input checked="" type="checkbox"/> No.					
<input type="checkbox"/> Yes, the name of the U.S. Government agency and the Government contract number are:					

[Page 1 of 2]

Respectfully submitted,

SIGNATURE

TYPED or PRINTED NAME DONALD H. ZARLEYTELEPHONE 515-558-0200Date October 28, 2003REGISTRATION NO. 18,543

(if appropriate)

Docket Number: P06691US0**USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT**

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Provisional Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PROVISIONAL APPLICATION COVER SHEET
Additional Page

PTO/SB/16 (08-03)

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Docket Number P06691US0

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Daniel W.	Pfeffer	West Des Moines, IA
Vince	Basile	West Des Moines, IA
Doug N.	McCloskey	Runnells, IA

[Page 2 of 2]

Number 2 of 2

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FEE TRANSMITTAL
for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 80.00

Compleat if Known

Application Number	
Filing Date	
First Named Inventor	PAUL J. JOYNT, ET AL.
Examiner Name	
Art Unit	
Attorney Docket No.	P06691US0

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number	50-2098
Deposit Account Name	ZARLEY LAW FIRM PLC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	80.00
SUBTOTAL (1)			(\$) 80.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
10	-20** = 0	X 0	= 0
2	-3** = 0	X 0	= 0
Multiple Dependent		0	= 0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		

(\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

SUBMITTED BY

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Date October 28, 2003

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CERTIFICATE OF EXPRESS MAILING

I hereby certify that the enclosed Provisional Patent Application and accompanying documents and a check for \$80.00 have been mailed by the U.S. Postal Service's Express Mail in an envelope addressed to: Mail Stop Provisional Patent Application, Commissioner for Patents, P.O. BOX 1450, Alexandria, VA 22313-1450 prior to 5:00 p.m. on the 28th day of October, 2003.


Jo Ann L. Ketterling

Express Mail #EV 353095330 US

PROVISIONAL APPLICATION

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30 TITLE: METHOD AND MEANS FOR DOWNLOADING DATA
FROM A MACHINE

BACKGROUND OF THE INVENTION

35 This invention involves a method and means for
downloading data from a machine, for example, in order to
extract operational data from the machine by wireless or hard
wire means.

The features of this invention are:

40 1. A system that would allow information to be
downloaded from a machine's touch screen or PLC into a
handheld device.

2. Information on the handheld device that can be
downloaded to a PC.

5 3. Information that can be viewed or printed as documents or reports. (The information would consist of the information shown on the "Management Information Screen" of the touch screen.)

10 4. Options of methods to transfer information from the machine to the handheld device consist of:

 Infrared transfer (IR)

 Radio Frequency transfer (RF)

 Cable connection transfer

15 A PALM handheld device used with an infrared transmitter or with a receiver so that no covers, doors or enclosures need to be opened, and a short transmission time is used so that the signal is not interrupted.

 In operation, the PALM unit is associated with a P.C.
20 and either hard wired to an auxiliary port or an I.R. data port, and downloaded to a standard format, Excel, Word, Lotus, or WordPad. That information is not able to be manipulated but just viewed and printed out.

 The following specifications should be present:

25 1. Ability to be able to transfer files to a P.C.

 2. Ability to be able to print this information out from a P.C.

 3. Ability to retrieve data from numerous machines in one plant up to six machines.

30 4. The hand held unit should be proprietary to the specific machines.

 5. Additional information from the touch screen may need to be transferred such as time, pressure settings, initials of the person gathering the data, name of product
35 being run, recipe, etc.

5 We claim:

1. A method of downloading data from a machine having a touch screen or PLC to govern its operation, comprising, taking a handheld control unit operatively associated with the touch screen or PLC that can be selectively actuated
10 to download data from the touch screen or PLC to a PC to be viewed or printed.

2. The method of claim 1 wherein the handheld control is hard wired to the PC.

15 3. The method of claim 1 wherein the machine is a meat processing machine.

4. The method of claim 1 wherein the handheld control unit
20 is connected to the P.C. via a wireless system.

5. The method of claim 1 wherein the handheld control is connected to the touch screen or PLC via a hard wired or wireless system.

25 6. A device for downloading data from a machine having a touch screen or PLC to govern its operation, comprising, a handheld control unit operatively associated with the touch screen or PLC that can be selectively actuated to
30 download data from the touch screen or PLC to a PC to be viewed or printed.

7. The device of claim 1 wherein the handheld control is hard wired to the PC.

35 8. The device of claim 1 wherein the machine is a meat processing machine.

5

9. The device of claim 1 wherein the handheld control unit is connected to the P.C. via a wireless system.

10. The device of claim 1 wherein the handheld control is connected to the touch screen or PLC via a hard wired or wireless system.

15

Application Data Sheet

Application Information

Application Type::

Provisional

Subject Matter::

Utility

Suggested Classification::

Suggested Group Art Unit::

CD-ROM or CD-R::

Number of CD disks::

Number of copies of CDs::

Sequence submission::

Computer Readable Form (CRF)::

Title::

METHOD AND MEANS
FOR DOWNLOADING
DATA FROM A MACHINE

Attorney Docket Number::

P06691US0

Request for Early Publication::

No

Request for Non-Publication::

No

Suggested Drawing Figure::

Total Drawing Sheets::

0

Small Entity::

Yes

Petition included::

No

Licensed US Govt Agency::

No

Contract or Grant Numbers::

Secrecy Order in Parent Appl::

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Associate	50,153	James J. Lynch
Associate	54,583	Scott R. Kaspar

Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::

Foreign Priority Information

Country::	Application Number::	Filing Date::	Priority Claimed::

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Document made available under the Patent Cooperation Treaty (PCT)

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Document details: Country/Office: US
Number: 60/515,170
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Date of receipt at the International Bureau: 25 November 2004 (25.11.2004)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



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